Amendment Dated: February 24, 2011
Reply to Office Action of: November 24, 2010

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Canceled)
- 2. (Currently amended) The method of claim [[1]] 14 wherein the source of inorganic oxide comprises at least one inorganic oxide of at least one element of one of Groups IVB, VB, VIB, VIIB, III, IB, IIB, IIIB, VIII, VA, IIIA, IVA, IIA and lanthanide of the Periodic Table of the Elements.
- 3. (Original) The method of claim 2 wherein the inorganic oxide comprises at least one oxide of at least one element selected from the group consisting of Si, Al, Ti, V, Cr, Zn, Fe, Sn, Mo, Ga, Ni, Co, Zr, Cu, Mg, Bi, Nb, Mn, Zr, Sb, La, Ce, Te and W.
- 4. (Canceled)
- 5. (Currently amended) The method of claim [[1]] 14 wherein the source of inorganic oxide is selected from hydrated or unhydrated oxides, hydroxides, nitrates, carbonates, or ammonium salts of at least one metal selected from the group consisting of Si, Al, Ti, V, Cr, Zn, Fe, Sn, Mo, Ga, Ni, Co, Zr, Cu, Mg, Bi, Nb, Mn, Zr, Sb, La, Te, Ce and W.

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- 6. (Currently amended) The method of claim **[[1]]** 14 wherein the source of inorganic oxide is <u>a</u> silica source, selected from the group consisting of silica gel, silica hydrogel, silica aerogel, and fumed silica.
- 7. (Currently amended) The method of claim [[1]] 14 wherein the source of inorganic oxide is aluminum hydroxide or alumina.
- 8. (Currently amended) The method of claim [[1]] 14 wherein the source of inorganic oxide is selected from the group consisting of magnesium oxide and magnesium hydroxide.
- 9. (Currently amended) The method of claim [[1]] 14 wherein the organic complexing and pore-forming agent is an organic compound having amino groups.
- 10. (Previously presented) The method of claim 9 wherein the organic complexing and pore-forming agent is an alkanolamine.
- 11. (Original) The method of claim 10 wherein the alkanolamine is selected from the group consisting of thiethanolamine, tri-isopropanolamine, tripropanolamine, tris-hydroxymethyleneaminomethane, N,N-dimethylethanolamine and combinations thereof.

12-13. (Canceled)

- 14. (Previously presented) A method for making a mesoporous or combined mesoporous/microporous inorganic oxide comprising the steps of:
- a) combining a mixture consisting of a nonaqueous source of an inorganic oxide with an organic complexing and pore-forming agent;

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b) reacting the source of inorganic oxide with the complexing and poreforming agent at a complexation temperature to provide at least one water soluble complex which is thereafter dissolved in water to provide an aqueous mixture, wherein said source of inorganic oxide is an inorganic compound and wherein the complexation temperature ranges from about 150°C to about 250°C, and wherein a preformed microporous zeolite is added to the aqueous mixture;

- c) decomposing the at least one complex to provide a porous material precursor having a mesoporous inorganic oxide framework containing at least some organic pore-forming agent with the microporous zeolite embedded in said mesoporous inorganic oxide framework; and
- d) removing at least a major portion of the organic pore-forming agent from the inorganic oxide framework by solvent extraction and/or calcination to provide a mesoporous or mesoporous/microporous inorganic oxide characterized by an X-ray diffraction pattern having at least one peak at 0.3 to 3.5 degrees in 2 Θ .
- 15. (Currently amended) The method of claim [[1]] 14 wherein the step (c) of decomposing the complex comprises hydrolysis of the complex with an acidic, basic or neutral pH aqueous fluid.
- 16. (Currently amended) The method of claim [[1]] 14 wherein the step (c) of decomposing the complex comprises calcining the complex at a temperature of from about 251°C to about 400°C.
- 17. (Currently amended) The method of claim [[1]] 14 wherein the step of removing at least a major portion of the organic pore-forming agent from the inorganic oxide framework is done by solvent extraction comprises comprising immersing the porous material precursor in a solvent selected from the group consisting of water, alcohols, ethers, ketones, esters and combinations thereof.

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18. (Canceled)

19. (Currently amended) The method of claim [[1]] 14 further comprising the step of aging the porous material precursor at a temperature of from about 20°C

to about 120°C for a period of time ranging up to about 48 hours.

20. (Currently amended) The method of claim 19 further comprising the step of

drying the porous material precursor after ageing aging the porous material

precursor.

21. (Currently amended) The method of claim [[1]] 14 further comprising the

step of heating the porous material precursor under above atmospheric pressure

for a period of time of up to about 4 days.

22. (Canceled)

23. (Currently amended) The method of claim [[22]] 14 wherein said zeolite is

selected from the group consisting of zeolite Y, zeolite X, zeolite L, zeolite A,

zeolite beta, mordenite, SSZ-32, ZSM-5, ZSM-11, ZSM-22, ZSM-23, ZSM-48,

ZSM-58, MCM-22, MCM-36, PSH-3, silicalite-1 and silicalite-2.

24-28. (Canceled)